PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference OPP031614KR	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/KR 2005/000380	(Earliest) Priority Date (day/month/y 9 February 2004 (09.02.20)	lnternational filing date (day/month/year) 7 February 2005 (07.02.2005)
Applicant	SAMSUNG ELECTRONICS	CO., LTD.
This international search report has been according to Article 18. A copy is being	prepared by this International Searchi transmitted to the International Bureau	ing Authority and is transmitted to the applicant u.
This international search report consists		
☐ It is also accompanied by	a copy of each prior art document cited	d in this report.
language in which it was filed, u	nless otherwise indicated under this ite	
	I search was carried out on the basis of (Rule 23.1(b)).	f a translation of the international application furnished
b. With regard to any nucleotic	de and/or amino acid sequence disclo	osed in the international application, see continuation of this first sheet.
2. Certain claims were fou	nd unsearchable (see continuation of	this first sheet)
<u> </u>	king (see continuation of this first shee	
4. With regard to the title,		
the text is approved as su	braitted by the applicant. ned by this Authority to read as follows	a.
the text has been establish	led by this Authority to read as follows	.
		•
1		
5. With regard to the abstract,		
the text is approved as su	ibmitted by the applicant.	
the text has been establis sheet. The applicant may comments to this Author	y, within one month from the date of m	s Authority as it appears in the continuation of this first nailing of this international search report, submit
6. With regard to the drawings,		
	gs to be published with the abstract is F	Figure No. 2
as suggested by the appl		Garage Control
	ority, because the applicant failed to su	
	ority, because this figure better characte	erizes the invention.
b. none of the figures is to be	published with the abstract.	

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International application No. PCT/KR 2005/000380

Continuation of first sheet

1.	. With regard to any nucleotide and/or amino acid sequence disclosed in the international
a	pplication and necessary to the claimed invention, the international search was carried out
OI	n the basis of:

Continuation No. IV:

Text of the abstract

(Continuation of item 5 of the first sheet)

The present invention provides a thin film transistor comprising: a substrate (110); a gate electrode (124) formed on the substrate; a gate insulating layer (140) covering the substrate and the gate electrode; a source electrode and a drain electrode (173,175) formed on the gate insulating layer; a semiconductor layer (150) formed on the gate insulating layer, the source electrode and the drain electrode; and a passivation layer (180) covering the semiconductor layer, the source electrode, the drain electrode and the gate insulating layer, wherein at least one of the gate insulating layer and the passivation layer is made of Parylene.

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 2005/000380

		FCIN	CR 2005/000360
IPC7: H01	FICATION OF SUBJECT MATTER L 29/786, H01L 27/12, G02F 1/1368 International Patent Classification (IPC) or to both na	tional classification and IPC	
	SEARCHED		
Minimum doe IPC ⁷ : H01	cumentation searched (classification system followed l L, G02F	by classification symbols)	
Documentation	on searched other than minimum documentation to the	extent that such documents are incl	uded in the fields searched
	ta base consulted during the international search (nam VPI, PAJ, TXT, Inspec, XPIEE, XPESP,		e, search terms used)
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
×	DE 19712233 A1 (LG ELECTRONICS (30.10.1997) page 5, lines 7-11; page 11, line 61 - p 10A-11F.		7,8,9
			_
X	US 6211928 B1 (OH et al) 3 April 20 abstarct; figures 8A-8J and the associ	7	
Р,Х	REESE C. et al. Organic thin fim transistors. Materials Today. September 2004, Vol. 7, No. 9, pages 20-27 section "device design and fabrication".		1,2,3,5
			
Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" documento be of programments for the carlier and filing dar "L" document cited to special ru" "O" document means "P" documents for the carlier and for the carlier	rategories of cited documents: at defining the general state of the art which is not considered particular relevance particular relevance populication or patent but published on or after the internation the at which may throw doubts on priority claim(s) or which establish the publication date of another citation or other establish the publication date of another citation or other establish that provided in the referring to an oral disclosure, use, exhibition or other published prior to the international filing date but later that ity date claimed	to understand the principle of al "X" document of particular recannot be considered novel of an inventive step when the document of particular recannot be considered to interest of the document is combined of documents, such combinal	flict with the application but cited on theory underlying the invention elevance; the claimed invention or cannot be considered to involve locument is taken alone elevance; the claimed invention volve an inventive step when the with one or more other such tion being obvious to a person
Date of the a	actual completion of the international search 24 May 2005 (24.05.2005)	Date of mailing of the internation 8 June 2005 (•
	nailing address of the ISA/ AT Austrian Patent Office esdner Straße 87, A-1200 Vienna	Authorized officer HARAS	EK S.
Facsimile N	o. +43 / 1 / 534 24 / 535	Telephone No. +43 / 1 / 534	24 / 574

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR 2005/000380

Patent document cited in search report			Publication date	Patent family member(s)		Publication date	
	A					none	
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